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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2010; month=10; day=12; hr=13; min=36; sec=27; ms=450; ]

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\*\*\*\*\*

Reviewer Comments:

<210> 1

<211>

<212>

<213>

<220>

<221>

<222>

<223>

<400> 000

Per Sequence Rules, if the above sequence is intended to be intentionally skipped, please use the following format:

<210> 1

<400> 1

000

Same errors in Sequences 2-6.

<210> 7

<211> 6

<212> DNA

<213> Artificial

<220>

<223> Synthetic Construct

<220>

<221> modified\_base

<222> (1)..(1)

<223> df represents 2'-deoxy,2',2'-difluorocytidine

<400> 7

dfggacg

6

The above use of "df" to represent "2'-deoxy,2',2'-difluorocytidine" is invalid: per Sequence Rules, "d" represents nucleotides "a" or "g" or "t/u"; "f" is an invalid nucleotide designator. Please replace "df" with "n", and edit the "<223> df represents 2'-deoxy,2',2'-difluorocytidine" accordingly. Same errors in Sequences 8-10.

<210> 11

<211> 13

<212> DNA

<213> Artificial

<220>

<223> Synthetic Construct

<220>

<221> modified\_base

<222> (1)..(1)

<223> df represents 2'-deoxy,2',2'-difluorocytidine

<220>

<221> misc\_feature

<222> (3)..(11)

<223> n represents one or more nucleotides which can be the same or different from each other.

<400> 11

dfgnnnnnnnnn ncg

13

Several errors above: 1) change "df" to "n" and adjust the corresponding "<223>" response; 2) the second <223> response "n represents one or more nucleotides which can be the same or different from each other." is invalid: each "n" represents a single nucleotide (an individual "n" cannot represent more than one nucleotide"); which nucleotides do the n's represent? could you re-phrase the "<223>" response to "n can represent any nucleotide, and the n's may be identical or different from each other". Same errors in Sequences 12-14.

\*\*\*\*\*

Application No: 10768996 Version No: 3.0

Input Set:

Output Set:

Started: 2010-10-12 12:40:09.334  
 Finished: 2010-10-12 12:40:27.386  
 Elapsed: 0 hr(s) 0 min(s) 18 sec(s) 52 ms  
 Total Warnings: 8  
 Total Errors: 86  
 No. of SeqIDs Defined: 14  
 Actual SeqID Count: 14

Error code	Error Description
E 201	Mandatory field data missing in <211> in SEQ ID (1)
E 201	Mandatory field data missing in <212> in SEQID: (1)
E 201	Mandatory field data missing in <213> in SEQ ID (1)
E 356	Organism is not permitted in <213> in SEQ ID (1)
E 201	Mandatory field data missing in <221> in SEQ ID (1)
E 201	Mandatory field data missing in <222> in SEQ ID (1)
E 334	Range not specified in <222> in SEQ ID (1)
E 201	Mandatory field data missing in <223> in SEQ ID (1)
E 106	No body found in 400 Tag SEQID (1)
E 201	Mandatory field data missing in <211> in SEQ ID (2)
E 201	Mandatory field data missing in <212> in SEQID: (2)
E 201	Mandatory field data missing in <213> in SEQ ID (2)
E 356	Organism is not permitted in <213> in SEQ ID (2)
E 201	Mandatory field data missing in <221> in SEQ ID (2)
E 201	Mandatory field data missing in <222> in SEQ ID (2)
E 334	Range not specified in <222> in SEQ ID (2)
E 201	Mandatory field data missing in <223> in SEQ ID (2)
E 106	No body found in 400 Tag SEQID (2)
E 201	Mandatory field data missing in <211> in SEQ ID (3)
E 201	Mandatory field data missing in <212> in SEQID: (3)

**Input Set:**

**Output Set:**

**Started:** 2010-10-12 12:40:09.334  
**Finished:** 2010-10-12 12:40:27.386  
**Elapsed:** 0 hr(s) 0 min(s) 18 sec(s) 52 ms  
**Total Warnings:** 8  
**Total Errors:** 86  
**No. of SeqIDs Defined:** 14  
**Actual SeqID Count:** 14

Error code	Error Description
E 201	Mandatory field data missing in <213> in SEQ ID (3)
E 356	Organism is not permitted in <213> in SEQ ID (3)
E 201	Mandatory field data missing in <223> in SEQ ID (3)
E 201	Mandatory field data missing in <221> in SEQ ID (3)
E 201	Mandatory field data missing in <222> in SEQ ID (3)
E 334	Range not specified in <222> in SEQ ID (3)
E 201	Mandatory field data missing in <223> in SEQ ID (3)
E 106	No body found in 400 Tag SEQID (3)
E 201	Mandatory field data missing in <211> in SEQ ID (4) This error has occurred more than 20 times, will not be displayed
E 356	Organism is not permitted in <213> in SEQ ID (4)
E 334	Range not specified in <222> in SEQ ID (4)
E 106	No body found in 400 Tag SEQID (4)
E 356	Organism is not permitted in <213> in SEQ ID (5)
E 334	Range not specified in <222> in SEQ ID (5)
E 106	No body found in 400 Tag SEQID (5)
E 356	Organism is not permitted in <213> in SEQ ID (6)
E 334	Range not specified in <222> in SEQ ID (6)
E 106	No body found in 400 Tag SEQID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 259	Found undefined lettercode; POS (2) SEQID(7)
E 254	The total number of bases conflicts with running total, Input: 6, Calculated : 7 SEQID(7)

**Input Set:**

**Output Set:**

**Started:** 2010-10-12 12:40:09.334  
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**Elapsed:** 0 hr(s) 0 min(s) 18 sec(s) 52 ms  
**Total Warnings:** 8  
**Total Errors:** 86  
**No. of SeqIDs Defined:** 14  
**Actual SeqID Count:** 14

Error code	Error Description
E 253	The number of bases differs from <211> Input: 6 Calculated:7
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 259	Found undefined lettercode; POS (2) SEQID(8)
E 254	The total number of bases conflicts with running total, Input: 9, Calculated : 10 SEQID(8)
E 253	The number of bases differs from <211> Input: 9 Calculated:10
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 259	Found undefined lettercode; POS (2) SEQID(9)
E 254	The total number of bases conflicts with running total, Input: 13, Calculated : 14 SEQID(9)
E 253	The number of bases differs from <211> Input: 13 Calculated:14
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 259	Found undefined lettercode; POS (2) SEQID(10)
E 254	The total number of bases conflicts with running total, Input: 13, Calculated : 14 SEQID(10)
E 253	The number of bases differs from <211> Input: 13 Calculated:14
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 259	Found undefined lettercode; POS (2) SEQID(11)
E 342	'n' position not defined found at POS: 12 SEQID(11)
E 254	The total number of bases conflicts with running total, Input: 13, Calculated : 14 SEQID(11)
E 253	The number of bases differs from <211> Input: 13 Calculated:14
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 259	Found undefined lettercode; POS (2) SEQID(12)

**Input Set:**

**Output Set:**

**Started:** 2010-10-12 12:40:09.334  
**Finished:** 2010-10-12 12:40:27.386  
**Elapsed:** 0 hr(s) 0 min(s) 18 sec(s) 52 ms  
**Total Warnings:** 8  
**Total Errors:** 86  
**No. of SeqIDs Defined:** 14  
**Actual SeqID Count:** 14

Error code	Error Description
E 342	'n' position not defined found at POS: 4 SEQID(12)
E 254	The total number of bases conflicts with running total, Input: 5, Calculated : 6 SEQID(12)
E 253	The number of bases differs from <211> Input: 5 Calculated:6
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 259	Found undefined lettercode; POS (2) SEQID(13)
E 342	'n' position not defined found at POS: 5 SEQID(13)
E 254	The total number of bases conflicts with running total, Input: 6, Calculated : 7 SEQID(13)
E 253	The number of bases differs from <211> Input: 6 Calculated:7
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
E 259	Found undefined lettercode; POS (2) SEQID(14)
E 342	'n' position not defined found at POS: 7 SEQID(14)
E 254	The total number of bases conflicts with running total, Input: 8, Calculated : 9 SEQID(14)
E 253	The number of bases differs from <211> Input: 8 Calculated:9

# SEQUENCE LISTING

<110> Srivastava, Suresh C  
Bajpai, Satya P  
Sit, Kwok-Hung

<120> Novel Oligonucleotides and Related Compounds

<130> CHMG-10

<140> 10768996

<141> 2004-01-30

<150> 60/525691

<151> 2003-11-28

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<170> PatentIn version 3.5

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<400> 000

<210> 7

<211> 6

<212> DNA

<213> Artificial

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<223> Synthetic Construct

<220>

<221> modified\_base

<222> (1)..(1)

<223> df represents 2'-deoxy,2',2'-difluorocytidine

<400> 7

dfggacg

6

<210> 8

<211> 9

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<220>

<221> modified\_base

<222> (1)..(1)

<223> df represents 2'-deoxy,2',2'-difluorocytidine

<400> 8

dfgtggaacg

9

<210> 9

<211> 13

<212> DNA

<213> Artificial

<220>

<223> Synthetic Construct

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<221> modified\_base

<222> (1)..(1)

<223> df represents 2'-deoxy,2',2'-difluorocytidine

<400> 9

dfggacgtgga acg

13

<210> 10  
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<213> Artificial

<220>  
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<220>  
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<222> (1)..(1)  
<223> df represents 2'-deoxy,2',2'-difluorocytidine

<400> 10  
dfggagctgga acg

13

<210> 11  
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<213> Artificial

<220>  
<223> Synthetic Construct

<220>  
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<222> (1)..(1)  
<223> df represents 2'-deoxy,2',2'-difluorocytidine

<220>  
<221> misc\_feature  
<222> (3)..(11)  
<223> n represents one or more nucleotides which can be the same or  
different from each other.

<400> 11  
dfgnnnnnnnn ncg

13

<210> 12  
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<213> Artificial

<220>  
<223> Synthetic Construct

<220>  
<221> modified\_base  
<222> (1)..(1)  
<223> df represents 2'-deoxy,2',2'-difluorocytidine

<220>

<221> misc\_feature  
<222> (3)..(3)  
<223> n represents one or more nucleotides which can be the same or  
different from each other.

<400> 12  
dfgncg

5

<210> 13  
<211> 6  
<212> DNA  
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<220>  
<223> Synthetic Construct

<220>  
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<222> (1)..(1)  
<223> df represents 2'-deoxy,2',2'-difluorocytidine

<220>  
<221> misc\_feature  
<222> (3)..(4)  
<223> n represents one or more nucleotides which can be the same or  
different from each other.

<400> 13  
dfgnncg

6

<210> 14  
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<212> DNA  
<213> Artificial

<220>  
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<220>  
<221> modified\_base  
<222> (1)..(1)  
<223> df represents 2'-deoxy,2',2'-difluorocytidine

<220>  
<221> misc\_feature  
<222> (3)..(6)  
<223> n represents one or more nucleotides which can be the same or  
different from each other.

<400> 14  
dfgnnnncg

8

